

Figure 2

Alignment of the *CAH* gene from *Myrothecium verrucaria* with a new cyanamide tolerance gene isolated from *Aspergillus* (CAH-H1) and a non-functional yeast *CAH* homolog (CAH-H2)

CAH-H1 CAH-H2	MSSSEVKANGWTAVPVSAKAIVDSLGKLGDVSSYSVEDIAFPAADKLVAEAQAFVKARLS MCQNEVEVNGWTSMPADAGAIFDGGPFINVPEALSIEEIKFPVDDPIVEKTMRYAKAALPMSQYGFVRVPREVEKAIPVVNAPRPRAVVPPPNSETARLVREYAAKELT : *:: :* : *.	60
CAH CAH-H1 CAH-H2	PETYNHSMRVFYWGTVIARRLLPEQAKDLSPSTWALTCLLHD TETFNHSMRVYYYGMQDCASHGVLINRSQALGMAITKQQFPKQASALSPSTWALTCLLHD APVLNHSLRVFQYSVAIIRDQFPAWDLDQEVLYVTCLLHD ***:**:	120
CAH-H1 CAH-H2	VGTAEAYFTSTRMSFDIYGGIKAMEVLK-VLGSSTDQAEAVAEAIIRHEDVGVDGNITFL IGTSDHNLAATRMSFDIYGGIKALEVLK-GFGATSDQAEAVAEAIIRHQDLGVHGTITYI IATTDKNMRATKMSFEYYGGILSRELVFNATGGNQDYADAVTEAIIRHQDLTGTGYITTL :.*:: ::*:***: **** : *:: * * *:**:******: * **:	179
CAH CAH-H1 CAH-H2	GQLIQLATLYDNVGAYDGIDDFGSWVDDTTRNSINTAFPRHGWCSWFACTVRKEESNKPW GQLIQLATIYDNVGAHPYVKDFGELIHDTTRSQVHEAHPPGEWRTFFSGVIQKEQAIKPW GLILQIATTLDNVGSNTDLIHIDTVSAINEQFPRLHWLSCFATVVDTENSRKPW * ::*:** ****: * : * . : * . : ***	239
CAH CAH-H1 CAH-H2	CHTTHIPQ-FDKQMEANTLMKPWE 244 CHTKKMVN-VLRKGSRHPDGQ 259 GHTSSLGDDFSKKVICNTFGYN 225 **.::.::::	

Figure 3

Alignment between a new ubiquitin-like promoter (UbiN) and the corresponding part of the sugarcane Ubiquitin-4 promoter.

Ubi4 UbiN		60 50
Ubi4	CCACCTACCGCAGGTAGCAAACGGCGTCCCCTCCTCGATATCTCCGCGGCGACCTCTGG	120
UbiN	CCACCAACCGCAGGTAGCAAACGGCGTGCACCTTCCCGAGATCTCCACAGCGAGGTCTGG ***** ******************************	110
Ubi4	CTTTTTCCGCGGAATTGCGCGGTGGGGACGGATTCCACAACCGCGACGCAA-CCGCCTCT	179
UbiN	CTTTTTCCGCCTTCCCG-GAAACCGCGGTGGTTTCAGCGTGGCGGATTCCCCCTCC ************ * * * * * * * * * * * *	165
Ubi4	CGCCGCTGGGCCCCACACCGCTCGGTGCCGTAGCCTCACGGGACTCTTTCTCCCTCC	239
UbiN	CACCACCCAACCGC-CATAAATACCAGCCCCCACCTCACTCTCTTTGCATATCCATC * ** * * * * * * * * * * * * * * * * *	221
Ubi4 UbiN	CCCGTTATAAATTGGCTTCATCCCCTCCTTGCCTC 274 CAAATCCCAGTCCCCAATC 240 * * * * * * * *	

Figure 4. GUS-expression in *Agrobacteroum***-infected alfalfa seedlings** "- vortex": subjection by immersing (30 minutes) seedlings into an *Agrobacterium* suspension; "+ vortex" subjection by vortexing (30 minutes) seedlings immersed in an *Agrobacterium* suspension.

